

Occupation Projections for Northwest Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
00-0000	Total, All Occupations	69,710	77,960	8,250	11.8%	830	1,740	2,570		\$28,389	\$8.35 - \$16.82
11-0000	Management Occupations	2,700	3,060	360	13.3%	40	50	90		\$63,863	\$19.71 - \$39.47
11-1011	Chief Executives	110	120	10	9.1%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$92,052	\$29.99 - \$54.53
11-1021	General and Operations Mgrs	720	820	100	13.9%	10	10	20	Bachelor's degree or more, plus work exp.	\$72,999	\$21.31 - \$44.14
11-1031	Legislators	270	260	-10	-3.7%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$21,027	\$6.20 - \$7.25
11-2011	Advertising/Promotions Mgrs	30	40	10	33.3%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$63,842	\$15.13 - \$37.47
11-2021	Marketing Mgrs	40	40	0	0.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$77,785	\$25.20 - \$49.69
11-2022	Sales Mgrs	90	110	20	22.2%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$78,432	\$21.38 - \$49.29
11-2031	Public Relations Mgrs	20	30	10	50.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$52,169	\$16.83 - \$33.11
11-3011	Administrative Services Mgrs	80	100	20	25.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$47,839	\$14.51 - \$29.69
11-3021	Computer/Information Systems Mgrs	60	80	20	33.3%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$65,086	\$25.52 - \$36.44
11-3031	Financial Mgrs	140	160	20	14.3%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$64,772	\$19.96 - \$40.76
11-3040	Human Resources Mgrs	60	70	10	16.7%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$63,985	\$22.60 - \$36.90
11-3051	Industrial Production Mgrs	120	130	10	8.3%	<5	<5	<5	Bachelor's degree	\$63,516	\$22.46 - \$38.06
11-3061	Purchasing Mgrs	30	30	0	0.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$55,597	\$15.87 - \$35.58
11-3071	Transportation/Storage/Distrib Mgrs	40	50	10	25.0%	<5	<5	<5	Work exp. in a related occupation	\$67,377	\$24.52 - \$32.61
11-9011	Farm/Ranch/Other Ag Mgrs	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
11-9021	Construction Mgrs	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$77,035	\$28.72 - \$43.21
11-9031	Educ Admin, Preschool/Child Care	40	60	20	50.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$69,231	\$22.29 - \$44.35
11-9032	Educ Admin, Elem/Sec School	110	130	20	18.2%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$74,934	-
11-9033	Educ Admin, Postsecondary	80	100	20	25.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$70,959	\$28.90 - \$39.38
11-9039	Educ Admin, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
11-9041	Engineering Mgrs	60	60	0	0.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$74,960	\$30.64 - \$41.57
11-9051	Food Service Mgrs	120	140	20	16.7%	<5	<5	<5	Work exp. in a related occupation	\$38,180	\$15.30 - \$22.62
11-9061	Funeral Directors	20	30	10	50.0%	<5	<5	<5	Associate degree	\$48,487	\$14.35 - \$28.90
11-9071	Gaming Mgrs	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
11-9081	Lodging Mgrs	30	40	10	33.3%	<5	<5	<5	Work exp. in a related occupation	\$33,373	\$12.28 - \$17.09
11-9111	Medical/Health Services Mgrs	90	120	30	33.3%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$57,904	\$23.95 - \$30.80
11-9121	Natural Sciences Mgrs	10	10	0	0.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$72,792	\$29.89 - \$40.57
11-9131	Postmasters/Mail Superintendents	20	20	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$48,004	\$21.33 - \$25.85
11-9141	Prop/RE/Community Assoc Mgrs	40	40	0	0.0%	<5	<5	<5	Bachelor's degree	\$71,943	\$11.42 - \$49.46
11-9151	Social/Community Service Mgrs	70	90	20	28.6%	<5	<5	<5	Bachelor's degree	\$48,497	\$17.81 - \$28.54
11-9199	Mgrs, All Other	110	120	10	9.1%	<5	<5	<5	Work exp. in a related occupation	\$63,161	\$23.68 - \$35.60

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13-0000	Business/Financial Operations Occs	1,640	1,920	280	17.1%	30	30	60		\$41,030	\$13.82 - \$23.67
13-1021	Purch Agents/Buyers Farm Prod	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
13-1022	Whole/Retail Buyers Ex Farm Prod	60	60	0	0.0%	<5	<5	<5	Bachelor's degree	\$38,488	\$14.27 - \$23.58
13-1023	Purch Agents Ex Whole/Retail/Farm	110	130	20	18.2%	<5	<5	<5	Bachelor's degree	\$44,265	\$16.83 - \$23.86
13-1031	Claims Adjust/Exam/Investigators	40	50	10	25.0%	<5	<5	<5	Long-term on-the-job training	\$36,539	\$9.42 - \$24.80
13-1032	Insurance Appraisers Auto Damage	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
13-1041	Compl Offcrrs Ex Ag/Cnst/Hlth/Sfty/Tr	50	60	10	20.0%	<5	<5	<5	Long-term on-the-job training	\$38,075	\$14.62 - \$21.02
13-1051	Cost Estimators	100	120	20	20.0%	<5	<5	<5	Bachelor's degree	\$37,678	\$14.75 - \$21.07
13-1061	Emergency Mgmt Specialists	10	20	10	100.0%	<5	<5	<5	Work exp. in a related occupation	\$34,016	\$15.12 - \$19.14
13-1071	Empl/Recruit/Placement Specialists	60	70	10	16.7%	<5	<5	<5	Bachelor's degree	\$36,137	\$14.51 - \$20.24
13-1072	Compen/Benefits/Job Specialists	30	40	10	33.3%	<5	<5	<5	Bachelor's degree	\$47,190	\$16.82 - \$23.48
13-1073	Training/Development Specialists	70	90	20	28.6%	<5	<5	<5	Bachelor's degree	\$30,448	\$8.39 - \$20.58
13-1111	Management Analysts	70	80	10	14.3%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$63,696	\$21.58 - \$34.29
13-1121	Meeting and Convention Planners	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
13-1199	Business Oper Specialists/All Other	320	390	70	21.9%	10	10	20	Bachelor's degree	\$35,946	\$10.79 - \$24.24
13-2011	Accountants and Auditors	360	420	60	16.7%	10	10	20	Bachelor's degree	\$46,681	\$14.81 - \$25.96
13-2021	Appraisers/Assessors Real Estate	40	40	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$35,765	\$8.82 - \$22.75
13-2031	Budget Analysts	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
13-2041	Credit Analysts	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$34,267	\$10.51 - \$23.47
13-2051	Financial Analysts	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
13-2052	Personal Financial Advisors	20	30	10	50.0%	<5	<5	<5	Bachelor's degree	\$45,083	\$15.04 - \$21.54
13-2053	Insurance Underwriters	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
13-2061	Financial Examiners	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
13-2071	Loan Counselors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
13-2072	Loan Officers	130	140	10	7.7%	<5	<5	<5	Bachelor's degree	\$42,229	\$14.25 - \$25.14
13-2081	Tax Exam/Collctrs/Revenue Agents	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
13-2082	Tax Preparers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
13-2099	Financial Specialists/All Other	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$39,433	\$17.33 - \$20.98
15-0000	Computer & Mathematical Occs	560	680	120	21.4%	10	10	20		\$43,329	\$15.52 - \$24.84
15-1021	Computer Programmers	80	80	0	0.0%	<5	<5	<5	Bachelor's degree	\$44,159	\$18.56 - \$22.56
15-1031	Computer Software Engrns Apps	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
15-1032	Computer Soft Engrns Systms Soft	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
15-1041	Computer Support Specialists	120	130	10	8.3%	<5	<5	<5	Associate degree	\$36,006	\$13.33 - \$18.29

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15-1051	Computer Systems Analysts	150	190	40	26.7%	<5	<5	<5	Bachelor's degree	\$49,962	\$19.27 - \$29.65
15-1061	Database Administrators	20	30	10	50.0%	<5	<5	<5	Bachelor's degree	\$36,366	\$12.51 - \$19.22
15-1071	Network/Computer Systems Admin	70	80	10	14.3%	<5	<5	<5	Bachelor's degree	\$40,808	\$15.03 - \$22.55
15-1081	Network Sysrms/Data Comm Analysts	30	50	20	66.7%	<5	<5	<5	Bachelor's degree	\$46,539	\$18.21 - \$25.76
15-1099	Computer Specialists/All Other	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
15-2011	Actuaries	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
15-2031	Operations Research Analysts	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
15-2041	Statisticians	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
17-0000	Architecture/Engineering Occs	840	900	60	7.1%	10	20	30		\$48,854	\$17.30 - \$28.09
17-1011	Architects/Ex Landscape/Naval	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-1012	Landscape Architects	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-1021	Cartographers/Photogrammetrists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-1022	Surveyors	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$43,462	\$18.03 - \$24.49
17-2031	Biomedical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2041	Chemical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2051	Civil Engineers	80	80	0	0.0%	<5	<5	<5	Bachelor's degree	\$54,959	\$23.02 - \$30.45
17-2061	Computer Hardware Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2071	Electrical Engineers	60	60	0	0.0%	<5	<5	<5	Bachelor's degree	\$54,116	\$20.26 - \$31.67
17-2072	Electronics Engineers/Ex Computer	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2081	Environmental Engineers	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$57,627	\$22.42 - \$33.38
17-2111	Health/Safety Engineers/Ex Mining	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2112	Industrial Engineers	70	70	0	0.0%	<5	<5	<5	Bachelor's degree	\$57,138	\$20.93 - \$31.47
17-2121	Marine Engineers/Naval Architects	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2131	Materials Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2141	Mechanical Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2161	Nuclear Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2171	Petroleum Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-2199	Engineers/All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
17-3011	Architectural/Civil Drafters	40	40	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$36,129	\$14.99 - \$17.49
17-3012	Electrical/Electronics Drafters	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
17-3013	Mechanical Drafters	60	50	-10	-16.7%	<5	<5	<5	Postsecondary vocational training	\$34,387	\$14.13 - \$18.55
17-3022	Civil Engineering Techs	50	50	0	0.0%	<5	<5	<5	Associate degree	\$39,048	\$15.05 - \$22.16
17-3023	Electrical/Electronic Engrng Techs	50	50	0	0.0%	<5	<5	<5	Associate degree	\$41,863	\$18.14 - \$21.79

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17-3024	Electro-Mechanical Techs	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
17-3025	Environmental Engineering Techs	0	0	0	0.0%	<5	<5	<5	Associate degree	\$35,691	\$14.97 - \$19.45
17-3026	Industrial Engineering Techs	20	30	10	50.0%	<5	<5	<5	Associate degree	\$39,961	\$16.33 - \$21.31
17-3027	Mechanical Engineering Techs	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
17-3031	Surveying/Mapping Techs	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,570	\$11.48 - \$14.96
17-3099 ⁽⁷⁾	Drafters/Engnrng/Map Techs AO	40	40	0	0.0%	<5	<5	<5	Associate degree	\$48,368	\$20.01 - \$26.07
19-0000	Life, Physical, and Social Sci Occs	570	630	60	10.5%	10	10	20		\$41,351	\$15.25 - \$24.26
19-1010	Agricultural and Food Scientists	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$47,205	\$18.83 - \$26.71
19-1021	Biochemists and Biophysicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-1022	Microbiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-1023	Zoologists and Wildlife Biologists	10	10	0	0.0%	<5	<5	<5	Doctoral degree	\$45,013	\$18.77 - \$24.12
19-1031	Conservation Scientists	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$47,734	\$19.74 - \$26.36
19-1032	Foresters	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$43,590	\$17.61 - \$24.08
19-1041	Epidemiologists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-1042	Med Scientists Ex Epidemiologists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-1099	Life Scientists/All Other	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$49,876	\$19.01 - \$29.69
19-2011	Astronomers	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-2012	Physicists	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
19-2021	Atmospheric and Space Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
19-2031	Chemists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
19-2032	Materials Scientists	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
19-2041	Environ Sci/Specialists/Incl Health	60	50	-10	-16.7%	<5	<5	<5	Master's degree	\$48,810	\$18.66 - \$25.57
19-2042	Geoscien Ex Hydrolog/Geograph	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-2043	Hydrologists	10	10	0	0.0%	<5	<5	<5	Master's degree	\$51,386	\$21.30 - \$28.09
19-2099	Physical Scientists/All Other	10	10	0	0.0%	<5	<5	<5	Bachelor's degree	\$55,493	\$24.10 - \$30.86
19-3011	Economists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3021	Market Research Analysts	40	50	10	25.0%	<5	<5	<5	Master's degree	\$50,163	\$16.66 - \$32.97
19-3022	Survey Researchers	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3031	Clinical/Counseling/School Psych	70	90	20	28.6%	<5	<5	<5	Doctoral degree	\$49,380	\$19.79 - \$27.41
19-3041	Sociologists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3051	Urban and Regional Planners	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3092	Geographers	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3093	Historians	*	*	*	*	<5	<5	<5	Master's degree	*	* - *

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19-3094	Political Scientists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
19-3099	Social Scientists/Related Wrks AO	40	40	0	0.0%	<5	<5	<5	Master's degree	\$29,034	\$10.71 - \$16.42
19-4011	Agricultural and Food Science Techs	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
19-4021	Biological Techs	20	20	0	0.0%	<5	<5	<5	Associate degree	\$26,799	\$10.94 - \$14.91
19-4031	Chemical Techs	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
19-4041	Geological and Petroleum Techs	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
19-4091	Envir Sci/Protect Techs Incl Health	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
19-4093	Forest/Conservation Techs	10	10	0	0.0%	<5	<5	<5	Associate degree	\$33,953	\$13.94 - \$18.73
19-4099	Life/Physical/Social Sci Techs AO	40	50	10	25.0%	<5	<5	<5	Associate degree	\$29,413	\$12.31 - \$15.94
21-0000	Community/Social Services Occs	1,290	1,550	260	20.2%	30	20	50		\$34,035	\$12.60 - \$20.23
21-1011	Sub Abuse/Behavior Disordr Cnslrs	20	30	10	50.0%	<5	<5	<5	Master's degree	\$23,738	\$6.39 - \$15.03
21-1012	Ed/Vocational/School Counselors	100	110	10	10.0%	<5	<5	<5	Master's degree	\$44,479	\$18.42 - \$24.71
21-1013	Marriage/Family Therapists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
21-1014	Mental Health Counselors	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
21-1015	Rehabilitation Counselors	70	90	20	28.6%	<5	<5	<5	Master's degree	\$34,329	\$12.06 - \$20.49
21-1021	Child/Family/School Social Wrks	210	250	40	19.0%	<5	<5	<5	Master's degree	\$33,417	\$12.50 - \$19.21
21-1022	Medical/Public Health Social Wrks	70	90	20	28.6%	<5	<5	<5	Master's degree	\$34,418	\$14.38 - \$19.67
21-1023	Mental Hlth/Sub Abuse Social Wrks	50	60	10	20.0%	<5	<5	<5	Master's degree	\$33,146	\$12.03 - \$20.38
21-1091	Health Educators	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
21-1092	Prob Offcrs/Correctnl Treat Spclsts	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
21-1093	Social/Human Service Assts	250	340	90	36.0%	10	<5	10	Moderate-term on-the-job training	\$27,168	\$9.36 - \$16.44
21-2011	Clergy	*	*	*	*	<5	10	10	Master's degree	*	* - *
21-2021	Directors/Religious Activities/Ed	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
21-9099 ⁽⁷⁾	Counsel/Social/Religious Wrks AO	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
23-0000	Legal Occupations	270	320	50	18.5%	10	<5	10		\$58,850	\$14.32 - \$39.75
23-1011	Lawyers	150	180	30	20.0%	<5	<5	<5	First professional degree	\$77,463	\$25.21 - \$44.89
23-1021	Admin Law Jdgs/Adjudic/Hrng Offcr	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
23-1022	Arbitrators/Mediators/Conciliators	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
23-1023	Jdgs/Magistrate Jdgs/Magistrates	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
23-2011	Paralegals and Legal Assistants	50	60	10	20.0%	<5	<5	<5	Associate degree	\$26,222	\$10.46 - \$14.42
23-2091	Court Reporters	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
23-2092	Law Clerks	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
23-2093	Title Exam/Abstractors/Searchers	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,431	\$10.14 - \$18.56

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SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
23-9099 ⁽⁷⁾	Legal & Related Wrkrs, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
25-0000	Ed, Training, & Library Occs	4,230	5,030	800	18.9%	80	90	170		\$35,806	\$11.05 - \$21.91
25-1011	Business Teachers, Postsecondary	40	50	10	25.0%	<5	<5	<5	Doctoral degree	\$48,505	-
25-1021	Computer Science Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1022	Mathematical Science Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1031	Architecture Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1032	Engineering Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1041	Ag Sciences Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1042	Biological Science Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1043	Forestry/Cons Sci Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1051	Atmos/Erth/Marin/Space Sci Tch Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1052	Chemistry Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1053	Environmental Sci TeachersPs	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1054	Physics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1061	Anthropology/Archeology Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1062	Area/Ethnic/Cultur Studies Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1063	Economics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1064	Geography Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1065	Political Science Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1066	Psychology Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1067	Sociology Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1071	Health Specialties Teachers Ps	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
25-1072	Nursing Instructors/Teachers Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1081	Ed Teachers/Postsec	30	40	10	33.3%	<5	<5	<5	Doctoral degree	\$45,164	-
25-1082	Library Science Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1111	Crim Jus/Law Enforce Tchrs Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1112	Law Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1113	Social Work Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1121	Art/Drama/Music Teachers/Postsec	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
25-1122	Communications Teachers Ps	20	30	10	50.0%	<5	<5	<5	Doctoral degree	\$50,289	-
25-1123	English Language/Lit Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1124	Foreign Language/Lit Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1125	History Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *

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		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
25-1126	Philosophy/Religion Teachers/Ps	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1191	Graduate Teaching Assts	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
25-1192	Home Economics Teachers/Postsec	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-1193	Rec/Fitness Studies Teachers/Ps	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
25-1194	Vocational Ed Teachers/Postsec	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
25-1199	Postsec Teachers/All Other	*	*	*	*	<5	<5	<5	Doctoral degree	*	* - *
25-2011	Preschool Teachers/Ex Special Ed	250	320	70	28.0%	10	<5	10	Bachelor's degree	\$31,966	\$12.99 - \$18.17
25-2012	Kindergarten Tchrs Ex Special Ed	90	120	30	33.3%	<5	<5	<5	Bachelor's degree	\$39,995	-
25-2021	Elemen Schl Tchrs Ex Special Ed	710	780	70	9.9%	10	20	30	Bachelor's degree	\$41,824	-
25-2022	Middle School Tchrs/Ex Sp./Voc Ed	420	440	20	4.8%	<5	10	10	Bachelor's degree	\$41,837	-
25-2023	Vocational Ed Tchrs/Middle School	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
25-2031	Secondary Schl Tchrs Ex Sp/Voc Ed	580	660	80	13.8%	10	20	30	Bachelor's degree	\$39,199	-
25-2032	Voc Ed Teachers/Secondary Schl	60	60	0	0.0%	<5	<5	<5	Bachelor's degree	\$44,135	-
25-2041	Sp Ed Tchrs/Presch/Kind/Elem Schl	100	120	20	20.0%	<5	<5	<5	Bachelor's degree	\$43,411	-
25-2042	Special Ed Teachers/Middle School	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$41,976	-
25-2043	Special Ed Teachers/Sec School	60	80	20	33.3%	<5	<5	<5	Bachelor's degree	\$44,108	-
25-3011	Adult Liter/Rem Ed/GED Tchrs/Inst	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$44,531	\$17.10 - \$25.69
25-3021	Self-Enrichment Ed Teachers	80	110	30	37.5%	<5	<5	<5	Work exp. in a related occupation	\$33,189	\$11.25 - \$20.73
25-3999 ⁽⁷⁾	Tchrs/Prim/Sec/Adult/All Other	190	260	70	36.8%	10	<5	10	Bachelor's degree	\$25,637	-
25-4010	Archivists/Curators/Museum Techs	10	10	0	0.0%	<5	<5	<5	Master's degree	\$31,066	\$9.27 - \$19.67
25-4021	Librarians	100	110	10	10.0%	<5	<5	<5	Master's degree	\$39,325	\$14.81 - \$24.24
25-4031	Library Techs	90	100	10	11.1%	<5	<5	<5	Short-term on-the-job training	\$20,647	\$8.07 - \$10.84
25-9011	Audio-Visual Collections Specialists	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
25-9021	Farm/Home Management Advisors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
25-9031	Instructional Coordinators	40	40	0	0.0%	<5	<5	<5	Master's degree	\$37,679	\$8.30 - \$24.94
25-9041	Teacher Assts	610	710	100	16.4%	10	10	20	Associate degree	\$19,013	-
25-9199 ⁽⁷⁾	Libr/Mus/Trng/Other Ed Wrkrs/AO	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-0000	Arts/Design/Entertain/Sports/Media	690	770	80	11.6%	10	10	20		\$34,106	\$9.61 - \$22.05
27-1011	Art Directors	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
27-1013	Fine Artists/Incl Pntrs/Sculptrs/Illstrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-1014	Multi-Media Artists/Animators	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-1021	Commercial/Industrial Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-1022	Fashion Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *

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27-1023	Floral Designers	40	50	10	25.0%	<5	<5	<5	Moderate-term on-the-job training	\$18,771	\$7.89 - \$10.07
27-1024	Graphic Designers	40	50	10	25.0%	<5	<5	<5	Bachelor's degree	\$31,691	\$12.35 - \$18.33
27-1025	Interior Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-1026	Merch Display/Window Trimmers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
27-1027	Set/Exhibit Designers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-1099 ⁽⁷⁾	Art & Design Wrks, All Other	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-2011	Actors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-2012	Producers/Directors	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
27-2021	Athletes/Sports Competitors	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-2022	Coaches/Scouts	100	120	20	20.0%	<5	<5	<5	Long-term on-the-job training	\$36,235	-
27-2023	Umpires/Refs/Other Sports Officials	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-2031	Dancers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-2032	Choreographers	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
27-2041	Music Directors/Composers	*	*	*	*	<5	<5	<5	Bachelor's degree or more, plus work exp.	*	* - *
27-2042	Musicians/Singers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-2099	Entnrs/Perfrmrs/Sports/Rel Wrk/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-3010	Announcers	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$19,639	\$7.39 - \$11.72
27-3020	News Analysts/Reprtrs/Correspond	30	30	0	0.0%	<5	<5	<5	Bachelor's degree or more, plus work exp.	\$22,730	\$9.58 - \$11.45
27-3031	Public Relations Specialists	80	100	20	25.0%	<5	<5	<5	Bachelor's degree	\$37,853	\$12.73 - \$22.22
27-3041	Editors	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$32,226	\$14.08 - \$17.19
27-3042	Technical Writers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-3043	Writers/Authors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-3091	Interpreters/Translators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-3099	Media/Communication Wrks/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-4011	Audio/Video Equipment Techs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
27-4012	Broadcast Techs	10	10	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$15,772	\$5.81 - \$9.09
27-4014	Sound Engineering Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
27-4021	Photographers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-4031	Camera Oprs/TV/Video/Motion Pict	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
27-4032	Film/Video Editors	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
27-4099	Media/Comm Equipmnt Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
29-0000	Healthcare Practitioners & Techncl Occs	2,810	3,580	770	27.4%	80	50	130		\$40,625	\$10.54 - \$22.04
29-1011	Chiropractors	20	30	10	50.0%	<5	<5	<5	First professional degree	\$77,729	\$25.73 - \$56.52

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29-1020	Dentists	60	60	0	0.0%	<5	<5	<5	First professional degree	\$62,509	\$15.74 - \$35.10
29-1031	Dietitians/Nutritionists	20	30	10	50.0%	<5	<5	<5	Bachelor's degree	\$45,262	\$19.55 - \$24.50
29-1041	Optometrists	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1051	Pharmacists	70	90	20	28.6%	<5	<5	<5	First professional degree	\$77,077	\$35.56 - \$42.65
29-1061	Anesthesiologists	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1062	Family/General Practitioners	30	40	10	33.3%	<5	<5	<5	First professional degree	\$157,167	\$61.38 -
29-1063	Internists, General	40	50	10	25.0%	<5	<5	<5	First professional degree	\$169,748	\$65.47 -
29-1064	Obstetricians/Gynecologists	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1065	Pediatricians, General	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1066	Psychiatrists	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1067	Surgeons	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1069	Physicians/Surgeons, All Other	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1071	Physician Assistants	20	30	10	50.0%	<5	<5	<5	Bachelor's degree	\$67,718	\$30.86 - \$34.96
29-1081	Podiatrists	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-1111	Registered Nurses	1,060	1,370	310	29.2%	30	20	50	Bachelor's or Associate degree ⁽⁹⁾	\$44,480	\$18.34 - \$23.93
29-1121	Audiologists	*	*	*	*	<5	<5	<5	Master's degree	*	* - *
29-1122	Occupational Therapists	60	90	30	50.0%	<5	<5	<5	Bachelor's degree	\$45,674	\$18.93 - \$25.76
29-1123	Physical Therapists	70	100	30	42.9%	<5	<5	<5	Master's degree	\$59,753	\$23.75 - \$33.25
29-1124	Radiation Therapists	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
29-1125	Recreational Therapists	30	30	0	0.0%	<5	<5	<5	Bachelor's degree	\$22,758	\$8.78 - \$13.19
29-1126	Respiratory Therapists	30	40	10	33.3%	<5	<5	<5	Associate degree	\$45,127	\$18.29 - \$25.61
29-1127	Speech-Language Pathologists	60	70	10	16.7%	<5	<5	<5	Master's degree	\$45,331	\$16.13 - \$26.19
29-1131	Veterinarians	20	30	10	50.0%	<5	<5	<5	First professional degree	\$56,165	\$15.95 - \$39.05
29-1199	Hlth Diagnsng/Treatng Practtnrs/AO	*	*	*	*	<5	<5	<5	First professional degree	*	* - *
29-2011	Medical/Clinical Lab Technologists	50	60	10	20.0%	<5	<5	<5	Bachelor's degree	\$42,012	\$18.36 - \$22.17
29-2012	Medical/Clinical Lab Techs	30	40	10	33.3%	<5	<5	<5	Associate degree	\$27,233	\$10.78 - \$15.28
29-2021	Dental Hygienists	80	120	40	50.0%	<5	<5	<5	Associate degree	\$48,759	\$22.02 - \$26.04
29-2031	Cardiovascular Technlgst/Techncns	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
29-2032	Diagnostic Medical Sonographers	10	10	0	0.0%	<5	<5	<5	Associate degree	\$56,284	\$20.58 - \$33.79
29-2033	Nuclear Medicine Technologists	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
29-2034	Radiologic Technologists/Techs	60	80	20	33.3%	<5	<5	<5	Associate degree	\$36,901	\$14.97 - \$20.39
29-2041	Emergency Med Techs/Paramedics	180	210	30	16.7%	<5	<5	<5	Postsecondary vocational training	\$20,848	\$9.33 - \$10.69
29-2051	Dietetic Techs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *

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29-2052	Pharmacy Techs	70	90	20	28.6%	<5	<5	<5	Moderate-term on-the-job training	\$21,912	\$8.34 - \$12.51
29-2053	Psychiatric Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
29-2054	Respiratory Therapy Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
29-2055	Surgical Technologists	30	40	10	33.3%	<5	<5	<5	Postsecondary vocational training	\$31,862	\$13.61 - \$16.92
29-2056	Veterinary Technologists/Techs	20	30	10	50.0%	<5	<5	<5	Associate degree	\$18,543	\$7.84 - \$9.94
29-2061	Licensed Pract/Vocational Nurses	350	410	60	17.1%	10	10	20	Postsecondary vocational training	\$30,553	\$12.78 - \$16.55
29-2071	Medical Records/Health Info Techs	70	110	40	57.1%	<5	<5	<5	Associate degree	\$25,005	\$10.06 - \$13.70
29-2081	Opticians/Dispensing	40	50	10	25.0%	<5	<5	<5	Long-term on-the-job training	\$19,487	\$6.94 - \$10.56
29-9010	Occ Health/Safety Spec/Techs	20	20	0	0.0%	<5	<5	<5	Bachelor's degree	\$40,362	\$17.32 - \$21.46
29-9091	Athletic Trainers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
29-9199 ⁽⁷⁾	Health Prof/Tech, All Other	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
31-0000	Healthcare Support Occupations	2,280	2,920	640	28.1%	70	30	100		\$21,221	\$8.84 - \$11.29
31-1011	Home Health Aides	280	420	140	50.0%	10	<5	10	Short-term on-the-job training	\$19,073	\$8.06 - \$10.13
31-1012	Nursing Aides/Orderlies/Attendants	1,450	1,750	300	20.7%	30	20	50	Short-term on-the-job training	\$21,149	\$8.94 - \$11.33
31-1013	Psychiatric Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
31-2011	Occupational Therapist Assts	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
31-2012	Occupational Therapist Aides	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
31-2021	Physical Therapist Assts	30	40	10	33.3%	<5	<5	<5	Associate degree	\$30,784	\$13.35 - \$16.50
31-2022	Physical Therapist Aides	20	30	10	50.0%	<5	<5	<5	Short-term on-the-job training	\$20,471	\$9.04 - \$10.52
31-9011	Massage Therapists	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
31-9091	Dental Assts	130	190	60	46.2%	10	<5	10	Moderate-term on-the-job training	\$23,800	\$9.68 - \$12.01
31-9092	Medical Assts	100	160	60	60.0%	10	<5	10	Moderate-term on-the-job training	\$23,934	\$10.00 - \$13.15
31-9093	Medical Equipment Preparers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
31-9094	Medical Transcriptionists	70	90	20	28.6%	<5	<5	<5	Postsecondary vocational training	\$23,015	\$9.94 - \$11.70
31-9095	Pharmacy Aides	30	30	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$21,123	\$8.58 - \$11.72
31-9096	Vet Assts/Lab Animal Caretakers	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$16,876	\$6.93 - \$9.42
31-9099	Healthcare Support Wrksr/All Other	90	110	20	22.2%	<5	<5	<5	Short-term on-the-job training	\$21,509	\$5.84 - \$13.90
33-0000	Protective Service Occupations	1,780	2,020	240	13.5%	20	50	70		\$30,392	\$9.55 - \$18.29
33-1011	First-Line Sup/Mgr of Corr Offcrs	20	20	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$48,647	\$21.92 - \$26.00
33-1012	First-Line Sup/Mgr of Police/Detect	70	70	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$53,904	\$22.08 - \$29.76
33-1021	F-L Sup/Mgr Fire Fght/Prevent Wrk	50	60	10	20.0%	<5	<5	<5	Work exp. in a related occupation	\$51,468	\$24.36 - \$28.75
33-1099	F-L Sups/Mgrs/Protect Svc Wrksr/AO	10	10	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$50,269	\$17.95 - \$27.61
33-2011	Fire Fighters	340	390	50	14.7%	10	10	20	Long-term on-the-job training	\$25,098	\$9.72 - \$15.89

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SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
33-2020 ⁽⁸⁾	Fire Inspectors	10	10	0	0.0%	<5	<5	<5			-
33-2021 ⁽⁸⁾	Fire Inspect/Invest	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Work exp. in a related occupation	*	* - *
33-2022 ⁽⁸⁾	Forest Fire Inspect/Prevent Spec	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Work exp. in a related occupation	*	* - *
33-3011	Bailiffs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
33-3012	Correctional Officers/Jailers	220	240	20	9.1%	<5	10	10	Moderate-term on-the-job training	\$33,900	\$14.28 - \$18.73
33-3021	Detectives/Criminal Investigators	80	80	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$44,137	\$18.62 - \$23.89
33-3031	Fish/Game Wardens	0	0	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$43,319	\$17.92 - \$24.35
33-3041	Parking Enforcement Wrks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
33-3051	Police/Sheriff's Patrol Officers	550	650	100	18.2%	10	10	20	Long-term on-the-job training	\$33,148	\$14.25 - \$18.63
33-3052	Transit/Railroad Police	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
33-9011	Animal Control Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
33-9021	Private Detectives/Investigators	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
33-9031	Gaming Surveillance/Investogators	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,459	\$7.65 - \$11.91
33-9032	Security Guards	190	200	10	5.3%	<5	<5	<5	Short-term on-the-job training	\$18,642	\$6.68 - \$10.67
33-9091	Crossing Guards	70	80	10	14.3%	<5	<5	<5	Short-term on-the-job training	\$20,143	\$7.78 - \$10.55
33-9099	Protective Service Wrks/All Other	120	130	10	8.3%	<5	10	10	Short-term on-the-job training	\$24,571	\$7.12 - \$17.08
35-0000	Food Preparation & Serving Occs	7,130	7,950	820	11.5%	80	280	360		\$16,638	\$6.28 - \$9.03
35-1011	Chefs/Head Cooks	110	120	10	9.1%	<5	<5	<5	Postsecondary vocational training	\$36,082	\$9.72 - \$28.59
35-1012	F-L Sups/Mgrs Food Prep/Srv Wrks	370	410	40	10.8%	<5	10	10	Work exp. in a related occupation	\$26,076	\$10.04 - \$15.23
35-2011	Cooks/Fast Food	280	290	10	3.6%	<5	10	10	Short-term on-the-job training	\$13,678	\$5.85 - \$6.93
35-2012	Cooks/Institution/Cafeteria	250	240	-10	-4.0%	<5	10	10	Long-term on-the-job training	\$19,290	\$7.95 - \$10.49
35-2013	Cooks/Private Household	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
35-2014	Cooks/Restaurant	420	470	50	11.9%	10	10	20	Long-term on-the-job training	\$19,465	\$8.02 - \$10.65
35-2015	Cooks/Short Order	260	290	30	11.5%	<5	10	10	Short-term on-the-job training	\$15,135	\$6.03 - \$8.11
35-2021	Food Prep Wrks	480	570	90	18.8%	10	20	30	Short-term on-the-job training	\$16,897	\$7.10 - \$8.93
35-3011	Bartenders	1,020	1,100	80	7.8%	10	40	50	Short-term on-the-job training	\$16,268	\$7.09 - \$8.41
35-3021	Comb Food Prep/Serv Wrk/Incl Fast	1,130	1,340	210	18.6%	20	50	70	Short-term on-the-job training	\$13,723	\$5.87 - \$6.99
35-3022	Cntr Atts/Cafeter/Fd Conc/Coff Shop	190	210	20	10.5%	<5	10	10	Short-term on-the-job training	\$13,694	\$5.86 - \$7.44
35-3031	Waiters/Waitresses	1,560	1,770	210	13.5%	20	80	100	Short-term on-the-job training	\$15,258	\$6.05 - \$7.23
35-3041	Food Servers/Nonrestaurant	110	110	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$15,576	\$6.53 - \$8.51
35-9011	Dining Rm/Cafeter Atts/Bar Helpers	290	320	30	10.3%	<5	10	10	Short-term on-the-job training	\$13,154	\$5.86 - \$6.81
35-9021	Dishwashers	420	440	20	4.8%	<5	10	10	Short-term on-the-job training	\$13,435	\$5.95 - \$6.98
35-9031	Hosts Rest/Lounge/Coff Shop	170	200	30	17.6%	<5	10	10	Short-term on-the-job training	\$15,336	\$6.64 - \$8.16

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35-9099	Food Prep/Serving Rel Wrkrs/AO	70	80	10	14.3%	<5	<5	<5	Short-term on-the-job training	\$20,744	\$7.71 - \$11.06
37-0000	Build & Grounds Cleaning/Maint Occs	2,620	2,970	350	13.4%	40	50	90		\$20,210	\$7.37 - \$11.41
37-1011	F-L Sups/Mgrs Hskpng/Janitr Wrkrs	120	140	20	16.7%	<5	<5	<5	Work exp. in a related occupation	\$30,732	\$10.74 - \$19.14
37-1012	F-L Sup/Mgr Land/Lawn/Grnds Wrk	40	40	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$32,713	\$13.03 - \$16.95
37-2011	Janitors/Cleanrs Ex Maids/Hskpng	1,180	1,310	130	11.0%	10	20	30	Short-term on-the-job training	\$20,368	\$7.55 - \$11.98
37-2012	Maids/Housekpng Cleaners	810	930	120	14.8%	10	20	30	Short-term on-the-job training	\$16,330	\$6.85 - \$8.73
37-2021	Pest Control Wrkrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
37-3011	Landscaping/Grndskpng Wrkrs	410	480	70	17.1%	10	10	20	Short-term on-the-job training	\$20,171	\$7.19 - \$11.20
37-3012	Pesticide Hndlr/Spraysr/Apps Veg	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
37-3013	Tree Trimmers/Pruners	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
37-9099 ⁽⁷⁾	Bldg/Grnds Cleanng/Maint Wrkrs AO	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$23,072	\$8.18 - \$13.46
39-0000	Personal Care and Service Occs	1,790	2,220	430	24.0%	40	40	80		\$19,736	\$7.41 - \$10.26
39-1011	F-L Sups/Mgrs of Gaming Wrkrs	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
39-1012	Slot Key Persons	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
39-1021	F-L Sups/Mgrs of Persnl Serv Wrkrs	50	60	10	20.0%	<5	<5	<5	Work exp. in a related occupation	\$27,068	\$10.14 - \$14.84
39-2011	Animal Trainers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
39-2021	Nonfarm Animal Caretakers	40	50	10	25.0%	<5	<5	<5	Short-term on-the-job training	\$17,698	\$7.01 - \$9.47
39-3011	Gaming Dealers	60	60	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$29,318	\$7.20 - \$23.42
39-3012	Gaming/Sports BookRunners	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
39-3021	Motion Picture Projectionists	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-3031	Ushers/Lobby Attend/Ticket Takers	50	50	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$20,675	\$6.59 - \$10.67
39-3091	Amusement/Recreation Attendants	160	180	20	12.5%	<5	10	10	Short-term on-the-job training	\$16,755	\$6.52 - \$8.70
39-3092	Costume Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-3093	Lockr Rm/Coatrm/Dress Rm Attend	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-3199 ⁽⁷⁾	Gaming Wrks, AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
39-4011	Embalmers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
39-4021	Funeral Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-5011	Barbers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
39-5012	Hairdress/Hairstyl/Cosmetologists	210	260	50	23.8%	10	<5	10	Postsecondary vocational training	\$17,566	\$6.27 - \$10.22
39-5092	Manicurists/Pedicurists	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
39-5093	Shampooers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-5094	Skin Care Specialists	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
39-6011	Baggage Porters and Bellhops	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *

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39-6012	Concierges	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
39-6021	Tour Guides and Escorts	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$16,202	\$6.00 - \$8.76
39-6032	Trans Atts/Ex Flight Atts/Bag Porters	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
39-9011	Child Care Wrks	240	300	60	25.0%	10	10	20	Short-term on-the-job training	\$18,628	\$7.14 - \$9.66
39-9021	Personal and Home Care Aides	400	580	180	45.0%	20	10	30	Short-term on-the-job training	\$17,572	\$7.67 - \$9.21
39-9031	Fitness Trainers/Aerobics Instruct	90	120	30	33.3%	<5	<5	<5	Postsecondary vocational training	\$15,328	\$6.23 - \$8.52
39-9032	Recreation Wrks	230	260	30	13.0%	<5	10	10	Bachelor's degree	\$23,147	\$8.02 - \$14.45
39-9041	Residential Advisors	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
39-9099	Personal Care/Service Wrks/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
41-0000	Sales and Related Occupations	6,530	7,250	720	11.0%	70	230	300		\$22,158	\$6.85 - \$11.82
41-1011	F-L Sups/Mgrs of Rtl Sl Wrks	590	670	80	13.6%	10	10	20	Work exp. in a related occupation	\$28,307	\$8.94 - \$16.77
41-1012	F-L Sups/Mgrs of nonRtl Sl Wrks	100	120	20	20.0%	<5	<5	<5	Work exp. in a related occupation	\$50,682	\$15.95 - \$30.06
41-2011	Cashiers	2,220	2,410	190	8.6%	20	110	130	Short-term on-the-job training	\$15,531	\$6.23 - \$8.36
41-2012	Gaming Change/Booth Cashiers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
41-2021	Counter and Rental Clerks	160	200	40	25.0%	<5	10	10	Short-term on-the-job training	\$18,332	\$6.69 - \$8.73
41-2022	Parts Salespersons	120	120	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,168	\$9.69 - \$17.63
41-2031	Retail Salespersons	1,820	2,040	220	12.1%	20	70	90	Short-term on-the-job training	\$18,502	\$6.88 - \$9.17
41-3011	Advertising Sales Agents	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,427	\$10.96 - \$16.66
41-3021	Insurance Sales Agents	80	100	20	25.0%	<5	<5	<5	Bachelor's degree	\$32,588	\$11.65 - \$18.82
41-3031	Sec/Comm/Fin Serv Sales Agents	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
41-3041	Travel Agents	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
41-4011	Sl Reps/Whlsl/Mfg/Tech/Sci Prods	80	90	10	12.5%	<5	<5	<5	Moderate-term on-the-job training	\$51,594	\$14.06 - \$31.60
41-4012	Sl Reps/Whlsl/Mfg/Ex Tech/Sci Prod	740	860	120	16.2%	10	20	30	Moderate-term on-the-job training	\$39,609	\$13.49 - \$22.21
41-9011	Demonstrators/Product Promoters	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
41-9012	Models	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
41-9021	Real Estate Brokers	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
41-9022	Real Estate Sales Agents	40	50	10	25.0%	<5	<5	<5	Postsecondary vocational training	\$39,634	\$12.02 - \$23.32
41-9031	Sales Engineers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
41-9041	Telemarketers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
41-9091	Door Sales/News/St Vndrs/Rel Wrks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
41-9099	Sales/Related Wrks/All Other	130	160	30	23.1%	<5	<5	<5	Moderate-term on-the-job training	\$38,070	\$9.73 - \$23.59
43-0000	Office/Administrative Support Occs	10,300	10,590	290	2.8%	30	250	280		\$24,605	\$8.77 - \$13.86
43-1011	First-Line Sups/Mgrs-Offc/Admin Supp Wrkr	600	600	0	0.0%	<5	10	10	Work exp. in a related occupation	\$39,064	\$13.55 - \$22.12

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43-2011	Switchboard Oprs/Incl Answrng Srvc	90	90	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$21,516	\$8.92 - \$11.90
43-2021	Telephone Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-2099	Communications Equipment Oprs/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-3011	Bill/Account Collectors	100	120	20	20.0%	<5	<5	<5	Short-term on-the-job training	\$26,004	\$10.33 - \$14.08
43-3021	Billing/Posting Clerks/Machn Oprs	220	230	10	4.5%	<5	<5	<5	Moderate-term on-the-job training	\$24,153	\$9.77 - \$12.80
43-3031	Bookkeep/Account/Auditing Clerks	960	1,000	40	4.2%	<5	20	20	Moderate-term on-the-job training	\$24,265	\$9.18 - \$13.71
43-3041	Gaming Cage Wrks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-3051	Payroll and Timekeeping Clerks	110	110	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$26,102	\$10.33 - \$14.70
43-3061	Procurement Clerks	40	30	-10	-25.0%	<5	<5	<5	Short-term on-the-job training	\$30,854	\$12.24 - \$16.91
43-3071	Tellers	370	420	50	13.5%	10	20	30	Short-term on-the-job training	\$18,996	\$7.85 - \$10.34
43-4011	Brokerage Clerks	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$34,310	\$15.02 - \$17.69
43-4021	Correspondence Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-4031	Court/Municipal/License Clerks	110	120	10	9.1%	<5	<5	<5	Short-term on-the-job training	\$27,689	\$11.29 - \$15.45
43-4041	Credit Authorizers/Checkers/Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-4051	Customer Service Reps	*	*	*	*	10	10	20	Moderate-term on-the-job training	*	* - *
43-4061	Eligibility Interviewers/Gov't Progrms	60	50	-10	-16.7%	<5	<5	<5	Moderate-term on-the-job training	\$33,801	\$13.29 - \$19.67
43-4071	File Clerks	90	80	-10	-11.1%	<5	<5	<5	Short-term on-the-job training	\$18,637	\$7.76 - \$10.27
43-4081	Hotel/Motel/Resort Desk Clerks	220	260	40	18.2%	<5	10	10	Short-term on-the-job training	\$17,592	\$7.54 - \$9.32
43-4111	Interviewers/Ex Eligibility/Loan	50	70	20	40.0%	<5	<5	<5	Short-term on-the-job training	\$21,193	\$8.15 - \$12.41
43-4121	Library Assts/Clerical	130	150	20	15.4%	<5	10	10	Short-term on-the-job training	\$17,119	\$6.28 - \$10.59
43-4131	Loan Interviewers/Clerks	60	50	-10	-16.7%	<5	<5	<5	Short-term on-the-job training	\$22,150	\$9.58 - \$11.47
43-4141	New Accounts Clerks	60	70	10	16.7%	<5	<5	<5	Work exp. in a related occupation	\$25,504	\$10.27 - \$14.08
43-4151	Order Clerks	150	130	-20	-13.3%	<5	<5	<5	Short-term on-the-job training	\$28,241	\$9.58 - \$17.70
43-4161	Human Res Assts/Ex Pay/Tmkpng	80	90	10	12.5%	<5	<5	<5	Short-term on-the-job training	\$32,473	\$14.20 - \$17.26
43-4171	Receptionists/Info Clerks	490	620	130	26.5%	10	10	20	Short-term on-the-job training	\$20,411	\$8.67 - \$10.78
43-4181	Res/Trans Ticket Agnts/Travl Clerks	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-4999 ⁽⁷⁾	Fin/Info/Record Clerks/All Other	110	110	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$29,256	\$9.92 - \$17.42
43-5011	Cargo/Freight Agents	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
43-5021	Couriers/Messengers	30	30	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$17,014	\$7.38 - \$8.65
43-5031	Police/Fire/Ambulance Dispatchers	70	70	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$31,328	\$13.29 - \$16.74
43-5032	Disp/Ex Police/Fire/Ambulance	90	100	10	11.1%	<5	<5	<5	Moderate-term on-the-job training	\$31,499	\$12.73 - \$17.61
43-5041	Meter Readers/Utilities	40	30	-10	-25.0%	<5	<5	<5	Short-term on-the-job training	\$41,325	\$17.23 - \$22.58
43-5051	Postal Service Clerks	40	40	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$39,238	\$18.00 - \$20.33

Occupation Projections for Northwest Wisconsin Workforce Development Area 2002-2012

SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
43-5052	Postal Service Mail Carriers	230	230	0	0.0%	<5	10	10	Short-term on-the-job training	\$38,356	\$15.46 - \$21.24
43-5053	PS Mail Sort/Proc/Proc Machn Oprs	150	140	-10	-6.7%	<5	<5	<5	Short-term on-the-job training	\$32,627	\$11.72 - \$19.50
43-5061	Production/Plan/Expediting Clerks	130	150	20	15.4%	<5	<5	<5	Short-term on-the-job training	\$34,684	\$13.05 - \$19.42
43-5071	Shipping/Receiving/Traffic Clerks	320	320	0	0.0%	<5	10	10	Short-term on-the-job training	\$26,971	\$10.53 - \$14.74
43-5081	Stock Clerks/Order Fillers	790	740	-50	-6.3%	<5	30	30	Short-term on-the-job training	\$19,701	\$7.10 - \$11.19
43-5111	Weigh/Meas/Check/Sample/Rcrdkp	50	60	10	20.0%	<5	<5	<5	Short-term on-the-job training	\$29,294	\$10.39 - \$17.99
43-5199 ⁽⁷⁾	Matrl Rec/Sched/Disp/Dist Wrks/AO	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-6011	Executive Secretaries/Admin Assts	700	730	30	4.3%	<5	10	10	Moderate-term on-the-job training	\$29,388	\$10.76 - \$16.54
43-6012	Legal Secretaries	70	80	10	14.3%	<5	<5	<5	Postsecondary vocational training	\$32,577	\$14.20 - \$16.93
43-6013	Medical Secretaries	90	110	20	22.2%	<5	<5	<5	Postsecondary vocational training	\$21,478	\$9.55 - \$11.09
43-6014	Secretaries/Ex Legal/Medical/Exec	1,040	940	-100	-9.6%	<5	20	20	Moderate-term on-the-job training	\$21,410	\$8.14 - \$12.39
43-9011	Computer Oprs	60	50	-10	-16.7%	<5	<5	<5	Moderate-term on-the-job training	\$28,889	\$10.71 - \$16.99
43-9021	Data Entry Keyers	80	70	-10	-12.5%	<5	<5	<5	Moderate-term on-the-job training	\$21,930	\$8.52 - \$11.62
43-9022	Word Processors/Typists	120	60	-60	-50.0%	<5	<5	<5	Moderate-term on-the-job training	\$21,093	\$7.90 - \$12.38
43-9031	Desktop Publishers	10	20	10	100.0%	<5	<5	<5	Postsecondary vocational training	\$21,577	\$8.52 - \$11.07
43-9041	Ins Claims/Policy Processng Clerks	60	60	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,413	\$8.27 - \$10.72
43-9051	Mail Clerks/Mail Machn Oprs/Ex Postal Serv	50	40	-10	-20.0%	<5	<5	<5	Short-term on-the-job training	\$22,777	\$7.06 - \$13.52
43-9061	Office Clerks/General	1,110	1,160	50	4.5%	10	30	40	Short-term on-the-job training	\$20,165	\$7.81 - \$11.43
43-9071	Office Machn Oprs/Ex Computer	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-9081	Proofreaders/Copy Markers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
43-9999 ⁽⁷⁾	Sec/Admn Asst/Othr Offc Sup Wrks/AO	120	110	-10	-8.3%	<5	<5	<5	Short-term on-the-job training	\$24,655	\$6.83 - \$15.44
45-0000	Farming/Fishing/Forestry Occs	240	260	20	8.3%	<5	10	10		\$26,118	\$10.17 - \$13.93
45-1011	F-L Sups/Mgrs Farm/Fish/Forest Wrks	20	20	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$32,073	\$10.32 - \$18.68
45-2011	Agricultural Inspectors	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
45-2021	Animal Breeders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
45-2041	Graders/Sorters/Ag Prod	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
45-2091	Ag Equipment Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
45-2092	Farm/Labrsrs/Crop/Nursry/Greenhs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
45-2093	Farmwrks/Farm/Ranch Animals	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
45-4011	Forest and Conservation Wrks	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,864	\$11.70 - \$16.71
45-4021	Fallers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
45-4022	Logging Equipment Oprs	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$30,931	\$11.87 - \$19.03
45-4023	Log Graders/Scalers	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$19,468	\$7.65 - \$8.98

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45-9099 ⁽⁷⁾	Farming/Fishing/Forestry Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-0000	Construction/Extraction Occupations	3,550	4,220	670	18.9%	70	70	140		\$35,150	\$12.58 - \$21.03
47-1011	First-Line Sup/Mgr Const Trades/Extr Wrks	280	320	40	14.3%	<5	10	10	Work exp. in a related occupation	\$49,723	\$18.91 - \$28.22
47-2011	Boilermakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-2021	Brickmasons/Blockmasons	70	90	20	28.6%	<5	<5	<5	Long-term on-the-job training	\$42,543	\$16.46 - \$24.79
47-2022	Stonemasons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-2031	Carpenters	920	1,130	210	22.8%	20	20	40	Long-term on-the-job training	\$34,376	\$12.71 - \$20.70
47-2041	Carpet Installers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-2042	Floor Lays/Ex Carpet/Wood/Tiles	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-2043	Floor Sanders/Finishers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-2044	Tile/Marble Settrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-2051	Cem Masons/Conc Finishrs	90	120	30	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$35,710	\$14.18 - \$20.08
47-2053	Terrazzo Wrks/Finish	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-2061	Construction Laborers	380	440	60	15.8%	10	10	20	Moderate-term on-the-job training	\$28,055	\$11.70 - \$15.34
47-2071	Pavng/Surfacng/Tampng Equip Oprs	60	60	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,684	\$13.08 - \$16.39
47-2072	Pile-Driver Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-2073	Opng Engnrns/Other Con Eqp Oprs	230	260	30	13.0%	<5	10	10	Moderate-term on-the-job training	\$41,247	\$15.83 - \$25.26
47-2081	Drywall and Ceiling Tile Installers	30	40	10	33.3%	<5	<5	<5	Moderate-term on-the-job training	\$36,397	\$14.55 - \$23.45
47-2082	Tapers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-2111	Electricians	290	370	80	27.6%	10	10	20	Long-term on-the-job training	\$35,728	\$12.21 - \$21.57
47-2121	Glaziers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-2130	Insulation Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-2141	Painters/Const/Maint	90	110	20	22.2%	<5	<5	<5	Moderate-term on-the-job training	\$35,596	\$15.13 - \$19.61
47-2142	Paperhangers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-2151	Pipelayers	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$31,514	\$10.98 - \$19.95
47-2152	Plumbers/Pipefitters/Steamfitters	200	250	50	25.0%	10	10	20	Long-term on-the-job training	\$48,683	\$22.83 - \$26.94
47-2161	Plasterers/Stucco Masons	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-2171	Reinforcing Iron/Rebar Wrks	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-2181	Roofers	50	60	10	20.0%	<5	<5	<5	Moderate-term on-the-job training	\$28,073	\$11.51 - \$15.72
47-2211	Sheet Metal Wrks	110	130	20	18.2%	<5	<5	<5	Moderate-term on-the-job training	\$42,352	\$15.62 - \$25.30
47-2221	Structural Iron and Steel Wrks	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-3011	Helprs-Brick/Block/Stone/Tile/Marble	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
47-3012	Helpers--Carpenters	50	60	10	20.0%	<5	<5	<5	Short-term on-the-job training	\$20,504	\$7.97 - \$11.27

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47-3013	Helpers--Electricians	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$24,746	\$10.07 - \$12.60
47-3014	Helprs--Paint/Paper/Plaster/Stucco	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
47-3015	Helprs--Pipelay/Plumb/Pipe/Steam	20	30	10	50.0%	<5	<5	<5	Short-term on-the-job training	\$22,848	\$9.35 - \$12.48
47-3016	Helpers--Roofers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
47-3019	Helpers/Const Trades/All Other	10	20	10	100.0%	<5	<5	<5	Short-term on-the-job training	\$24,523	\$9.92 - \$12.53
47-4011	Const/Bldg Inspectors	40	40	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$37,113	\$14.76 - \$20.09
47-4021	Elevator Installers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
47-4031	Fence Erectors	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-4041	Hazardous Materials Removal Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-4051	Highway Maintenance Wrks	240	250	10	4.2%	<5	<5	<5	Moderate-term on-the-job training	\$35,260	\$15.09 - \$17.57
47-4061	Rail-Track Layng/Maint Eqmnt Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-4071	Septic Tnk Srvcs/Sewer Pipe Clnrs	20	30	10	50.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,909	\$9.62 - \$11.11
47-4999 ⁽⁷⁾	Const Trades/Rel Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-5013	Service Unit Oprs, Oil/Gas/Mining	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-5021	Earth Drillers/Ex Oil/Gas	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-5031	Explsv/Ordnc Handling Exprts/Blastrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
47-5040 ⁽⁸⁾	Mining Machine Oprs	0	0	0	0.0%	<5	<5	<5			-
47-5041 ⁽⁸⁾	Cont Mining Mach Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	⁽⁸⁾ Moderate-term on-the-job training	*	* - *
47-5042 ⁽⁸⁾	Mine Cut/Channel Mach Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	⁽⁸⁾ Moderate-term on-the-job training	*	* - *
47-5051	Rock Splitters, Quarry	*	*	*	*	*	<5	<5	Moderate-term on-the-job training	*	* - *
47-5071 ⁽⁸⁾	Roustabouts, Oil/Gas	(8)	(8)	(8)	(8)	(8)	(8)	(8)	⁽⁸⁾ Moderate-term on-the-job training	*	* - *
47-5081	Helpers--Extraction Wrks	0	0	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$23,867	\$10.31 - \$12.88
47-5099 ⁽⁸⁾	Extraction Wrks/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-0000	Installation/Maint/Repair Occupations	2,720	3,010	290	10.7%	30	60	90		\$32,274	\$11.49 - \$19.02
49-1011	First-Line Supvsrs/Mgrs of Mechs/Inst/Rep	230	250	20	8.7%	<5	10	10	Work exp. in a related occupation	\$43,080	\$14.14 - \$26.06
49-2011	Computer/ATM/Offc Machn Reprrs	20	20	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$33,458	\$12.66 - \$17.79
49-2022	Telecm Eqp Inst/Reprrs/Ex Line Inst	80	70	-10	-12.5%	<5	<5	<5	Postsecondary vocational training	\$41,866	\$17.91 - \$24.58
49-2091	Avionics Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-2092	Elec Motor/Power Tool/Rel. Reprrs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-2093	Elec Installers/Repairers/Trans Eqp	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-2094	Elec Repairers/Comm/Ind Equip	20	20	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$39,565	\$17.04 - \$22.64
49-2095	Elec Reprrs/Powerhse/Substn/Relay	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-2096	Elec Equip Instlrs/Reprrs/Motor Veh	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *

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49-2097	Elec Home Ent Eqpmnt Inst/Repr	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-2098	Security/Fire Alarm Systems Inst	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-3011	Aircraft Mechanics/Service Techs	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
49-3021	Automotive Body/Related Repairers	100	120	20	20.0%	<5	<5	<5	Long-term on-the-job training	\$27,148	\$11.67 - \$14.53
49-3022	Automotive Glass Installers/Repr	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-3023	Automotive Service Techs/Mechanics	410	450	40	9.8%	<5	10	10	Postsecondary vocational training	\$30,620	\$10.46 - \$19.04
49-3031	Bus/Truck Mechs/Diesel Engr Spec	160	170	10	6.3%	<5	<5	<5	Postsecondary vocational training	\$32,052	\$12.84 - \$18.26
49-3041	Farm Equipment Mechanics	20	20	0	0.0%	<5	<5	<5	Postsecondary vocational training	\$27,097	\$11.64 - \$14.78
49-3042	Mobile Hvy Eqpmnt Mechs/Ex Engrs	50	60	10	20.0%	<5	<5	<5	Postsecondary vocational training	\$35,981	\$14.73 - \$20.41
49-3043	Rail Car Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-3051	Motorboat Mechanics	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-3052	Motorcycle Mechanics	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-3053	Outdr Powr Eqp/Othr Sm Engr Mchs	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$26,772	\$10.05 - \$15.80
49-3091	Bicycle Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-3092	Recreational Vehicle Service Techs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-3093	Tire Repairers/Changers	50	50	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$22,924	\$9.40 - \$12.88
49-3099 ⁽⁷⁾	Veh/Mbl Eqp Mechs/Instl/Repr/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9011	Mechanical Door Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9012	Cntrl/Valve Inst/Rep/Ex Mechn Door	20	30	10	50.0%	<5	<5	<5	Moderate-term on-the-job training	\$37,979	\$13.49 - \$22.71
49-9021	Heating/AC/Refrig Mechs/Instlrs	70	100	30	42.9%	<5	<5	<5	Long-term on-the-job training	\$35,237	\$14.37 - \$20.09
49-9031	Home Appliance Repairers	20	20	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$36,134	\$12.85 - \$24.70
49-9041	Industrial Machnry Mechanics	120	140	20	16.7%	<5	<5	<5	Long-term on-the-job training	\$35,627	\$14.84 - \$18.94
49-9042	Maint/Repair Wrks/General	720	810	90	12.5%	10	10	20	Long-term on-the-job training	\$28,314	\$9.98 - \$16.99
49-9043	Maint Wrks/Machnry	60	60	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$27,616	\$11.54 - \$15.30
49-9044	Millwrights	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-9045	Refractory Mtrls Reprs/Ex Brckmsns	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9051	Elec Power-Line Installrs/Repairers	70	70	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$49,216	\$22.66 - \$26.92
49-9052	Telecomm Line Installers/Repr	50	60	10	20.0%	<5	<5	<5	Long-term on-the-job training	\$35,311	\$12.63 - \$20.71
49-9062	Medical Equipment Repairers	*	*	*	*	<5	<5	<5	Associate degree	*	* - *
49-9063	Musical Instr Repairers/Tuners	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-9064	Watch Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-9069	Precision Inst/Eqpmnt Repairers/AO	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
49-9091	Coin/Vend/Amuse Machn Serv/Repr	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$27,953	\$12.16 - \$14.78

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49-9094	Locksmiths/Safe Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9095	Manufactured Bldg/Mobile Home Inst	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9096	Riggers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
49-9097	Signal/Track Switch Repairers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
49-9098	Helpers--Install/Maint/Repair Wrks	70	80	10	14.3%	<5	<5	<5	Short-term on-the-job training	\$21,381	\$6.92 - \$11.18
49-9099	Installation/Maint/Repair Wrks/AO	60	70	10	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$26,785	\$10.17 - \$14.51
51-0000	Production Occupations	8,570	8,870	300	3.5%	30	210	240		\$27,776	\$10.00 - \$16.20
51-1011	First-Line Sups/Mgrs of Prdn/Operat Wrks	570	630	60	10.5%	10	10	20	Work exp. in a related occupation	\$39,040	\$14.55 - \$22.81
51-2021	Coil Winders/Tapers/Finishers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-2022	Electrical/Electronic Equipmnt Assemblers	70	60	-10	-14.3%	<5	<5	<5	Short-term on-the-job training	\$23,306	\$6.83 - \$8.61
51-2023	Electromechanical Equipmnt Assemblers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-2031	Engine/Other Machn Assemblers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-2041	Structural Metal Fabricators/Fitters	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,031	\$11.45 - \$16.33
51-2091	Fiberglass Laminators/Fabricators	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-2092	Team Assemblers	1,200	1,180	-20	-1.7%	<5	30	30	Moderate-term on-the-job training	\$27,347	\$9.16 - \$16.25
51-2099	Assemblers/Fabricators/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-3011	Bakers	110	130	20	18.2%	<5	<5	<5	Long-term on-the-job training	\$20,999	\$8.00 - \$11.84
51-3021	Butchers/Meat Cutters	100	110	10	10.0%	<5	<5	<5	Long-term on-the-job training	\$28,574	\$11.41 - \$16.44
51-3022	Meat/Poultry/Fish Cutters/Trimmers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-3023	Slaughterers/Meat Packers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-3091	Food/Tobac Bake/Dry/Mchn Op/Tndrs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-3092	Food Batchmakers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-3093	Food Cooking Machn Oprs/Tendrs	40	50	10	25.0%	<5	<5	<5	Short-term on-the-job training	\$29,005	\$11.90 - \$16.69
51-3099 ⁽⁷⁾	Food Processing Wrks/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-4011	Comp-Cntrld Machn Tool Op/M/P	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4012	Num Tool/Procss Cntrl Programmrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-4021	Extrud/Draw Mchn Set/Op/Tndrs/M/P	90	110	20	22.2%	<5	<5	<5	Moderate-term on-the-job training	\$25,826	\$10.13 - \$14.20
51-4022	Forge Machn Set/Op/Tndrs/M/P	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4023	Roll Machn Set/Op/Tndrs/M/P	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4031	Cut/Punch/Press Set/Op/Tndrs/M/P	200	210	10	5.0%	<5	10	10	Moderate-term on-the-job training	\$27,134	\$10.64 - \$15.62
51-4032	Drill/Bore Tool Set/Op/Tndrs/M/P	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$33,553	\$12.52 - \$20.28
51-4033	Grind/Lap/Polish/Buf Set/Op/Tnd/M/P	80	70	-10	-12.5%	<5	<5	<5	Moderate-term on-the-job training	\$23,341	\$8.32 - \$13.95
51-4034	Lathe/Turn Tool Set/Op/Tndrs/M/P	60	60	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$34,593	\$14.86 - \$18.95

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SOC Code	Occupational Title	Estimate employment		Change		Annual average			Typical education or training path	Annual average wage	Middle 50 percent hourly wage range
		2002	2012	Numeric	Percent	New Jobs	Replacements	Total Openings			
51-4035	Mill/Plane Mchn Set/Op/Tndrs/M/P	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4041	Machinists	300	320	20	6.7%	<5	10	10	Long-term on-the-job training	\$35,436	\$14.81 - \$19.44
51-4051	Metal-Refining Furnace Ops/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4052	Pourers/Casters/Metal	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4061	Model Makers/Metal/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4062	Patternmakers/Metal/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4071	Foundry Mold/Coremakers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4072	Mold/Core/Cast Set/Op/Tndrs/M/P	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4081	Mult Mchn Tool Set/Op/Tndrs/M/P	80	90	10	12.5%	<5	<5	<5	Moderate-term on-the-job training	\$26,500	\$9.78 - \$16.34
51-4111	Tool and Die Makers	60	60	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$36,536	\$13.53 - \$21.44
51-4121	Welders/Cutters/Solderers/Brazers	220	240	20	9.1%	<5	10	10	Postsecondary vocational training	\$32,718	\$14.61 - \$17.45
51-4122	Weld/Solder/Braze Mchn Set/Op/Tnd	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$31,520	\$14.26 - \$17.13
51-4191	Heat Treat Eqp Set/Op/Tndrs/M/P	10	10	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,062	\$12.43 - \$15.99
51-4192	Lay-Out Wrks/Metal/Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4193	Plate/Coat Mchn Set/Op/Tndrs/M/P	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-4194	Tool Grinders/Filers/Sharpeners	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$31,281	\$12.81 - \$17.24
51-4199	Metal Wrks/Plastic Wrks/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-5011	Bindery Wrks	90	90	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$17,206	\$6.23 - \$9.09
51-5012	Bookbinders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-5021	Job Printers	20	20	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$42,148	\$10.69 - \$31.16
51-5022	Prepress Techs/Wrks	40	40	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$24,905	\$7.52 - \$14.10
51-5023	Printing Machn Oprs	120	120	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$24,862	\$8.78 - \$14.86
51-6011	Laundry/Dry-Cleaning Wrks	120	140	20	16.7%	<5	<5	<5	Moderate-term on-the-job training	\$17,320	\$7.46 - \$9.33
51-6021	Pressers/Textile/Garment/Rel Mtrls	30	30	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$16,534	\$7.19 - \$8.82
51-6031	Sewing Machine Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6041	Shoe/Leather Wrks/Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-6042	Shoe Machine Oprs/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6052	Tailors/Dressmakrs/Custom Sewrs	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
51-6061	Textl Bleach/Dye Mchn Ops/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6062	Textl Cuttng Mchn Set/Ops/Tendrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6063	Textl Knit/Weav Mchn Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-6064	Textl Wind/Twist/Draw Set/Op/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-6091	Extr/Form Set/Op/Tnd/Syn/Glss Fibr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *

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51-6092	Fabric/Apparel Patternmakers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-6093	Upholsterers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-6099	Textile/Apparel/Furnishng Wrks/AO	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-7011	Cabinetmakers/Bench Carpenters	220	250	30	13.6%	<5	10	10	Long-term on-the-job training	\$30,468	\$12.53 - \$16.97
51-7021	Furniture Finishers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-7031	Model Makers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-7032	Patternmakers/Wood	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-7041	Saw Machn Set/Op/Tendr/Wood	340	330	-10	-2.9%	<5	10	10	Moderate-term on-the-job training	\$22,988	\$9.14 - \$12.69
51-7042	Woodwrk Mchn Set/Op/Tndrs/Ex Saw	570	570	0	0.0%	<5	20	20	Moderate-term on-the-job training	\$24,700	\$9.79 - \$13.75
51-7099	WoodWrks, All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-8010 ⁽⁸⁾	Pwr Plnt Oprs/Distributrs/Dispatchrs	40	40	0	0.0%	<5	<5	<5			-
51-8011 ⁽⁸⁾	Nuc Power Reactor Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	* - *
51-8012 ⁽⁸⁾	Power Dist/Disp	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	*	* - *
51-8013 ⁽⁸⁾	Power Plant Opr	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Long-term on-the-job training	\$34,300	\$13.20 - \$19.02
51-8021	Stationary Engineers/Boiler Oprs	30	30	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$34,538	\$13.47 - \$20.30
51-8031	Watr/Lqd Waste Trtmnt Plant/Sys Op	90	90	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$36,000	\$14.69 - \$19.24
51-8091	Chemical Plant/System Oprs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-8092	Gas Plant Oprs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-8093	Petrol Pump Sys Op/Refinery Op/Gaug	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-8099	Plant/System Oprs/All Other	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-9011	Chemical Equipment Oprs/Tendr	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9012	Sep/Filtr/Clarify/Prec/Still Set/Op/Tnd	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9021	Crush/Grnd/Polish Set/Op/Tndrs	50	50	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$33,807	\$14.56 - \$18.31
51-9022	Grinding/Polishing Wrks/Hand	30	30	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$22,202	\$9.40 - \$12.08
51-9023	Mix/Blend Machn Settrs/Oprs/Tendr	70	60	-10	-14.3%	<5	<5	<5	Moderate-term on-the-job training	\$33,221	\$12.65 - \$19.57
51-9031	Cutters/Trimmers/Hand	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-9032	Cut/Slice Machn Settrs/Oprs/Tendr	80	90	10	12.5%	<5	<5	<5	Moderate-term on-the-job training	\$26,093	\$10.60 - \$14.02
51-9041	Extr/Form/Press/Compct Set/Op/Tnd	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9051	Furnce/Kln/Ov/Drier/Kettle Op/Tndrs	40	40	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$29,368	\$10.21 - \$18.38
51-9061	Inspect/Test/Sort/Sample/Weighers	270	300	30	11.1%	<5	10	10	Moderate-term on-the-job training	\$26,585	\$9.73 - \$14.88
51-9071	Jewel/Precious Stone/Metal Wrks	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
51-9081	Dental Lab Techs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *
51-9082	Medical Appliance Techs	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	* - *

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51-9083	Ophthalmic Lab Techs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9111	Packagng/Filling Machn Oprs/Tndrs	400	450	50	12.5%	10	10	20	Short-term on-the-job training	\$22,289	\$9.11 - \$11.33
51-9121	Coat/Paint/Spray Mchn Set/Op/Tndrs	150	170	20	13.3%	<5	<5	<5	Moderate-term on-the-job training	\$26,297	\$11.01 - \$14.09
51-9122	Painters/Trans Equipment	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9123	Painting/Coating/Decorating Wrks	40	40	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$22,685	\$7.88 - \$13.06
51-9131	Photographic Process Wrks	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9132	Photographic Processng Mchn Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
51-9191	Cementng/Glung Mchn Oprs/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9192	Cln/Wash/Mtl Picking Eqp Ops/Tndrs	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$25,815	\$11.85 - \$13.73
51-9193	Coolng/Freezng Eqpmnt Ops/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9194	Etchers/Engravers	10	10	0	0.0%	<5	<5	<5	Long-term on-the-job training	\$36,462	\$11.21 - \$21.85
51-9195	Moldrs/Shaprs/Castrs/Ex Mtl/Plastic	20	20	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$34,079	\$14.91 - \$19.64
51-9196	Paper Gds Machn Settrs/Oprs/Tndrs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9197	Tire Builders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
51-9198	Helpers--Production Wrks	530	550	20	3.8%	<5	20	20	Short-term on-the-job training	\$24,213	\$9.48 - \$13.41
51-9199	Production Wrksr/All Other	160	160	0	0.0%	<5	<5	<5	Moderate-term on-the-job training	\$19,610	\$8.04 - \$10.74
53-0000	Trans/Material Moving Occupations	6,610	7,250	640	9.7%	60	140	200		\$27,818	\$9.55 - \$16.56
53-1011	Aircraft Cargo Handling Supvrs	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
53-1021	F-L Sups/Mgrs Help/Lab/Matrl Movrs	90	90	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$42,938	\$12.59 - \$27.37
53-1031	F-L Sups/Mgrs Trans/Matrl-Mov Oprs	150	160	10	6.7%	<5	<5	<5	Work exp. in a related occupation	\$51,400	\$16.10 - \$35.58
53-2011	Airline Pilots/Copilots/Flight Engrs	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
53-2012	Commercial Pilots	*	*	*	*	<5	<5	<5	Postsecondary vocational training	*	* - *
53-2021	Air Traffic Controllers	*	*	*	*	<5	<5	<5	Bachelor's degree	*	* - *
53-3011	Ambulance Drivers/Atts/Ex EMTs	20	30	10	50.0%	<5	<5	<5	Moderate-term on-the-job training	\$18,417	\$6.63 - \$10.63
53-3021	Bus Drivers/Transit/Intercity	90	100	10	11.1%	<5	<5	<5	Moderate-term on-the-job training	\$23,003	\$9.76 - \$12.25
53-3022	Bus Drivers/School	310	390	80	25.8%	10	10	20	Short-term on-the-job training	\$23,202	\$9.34 - \$13.28
53-3031	Driver/Sales Wrks	200	200	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$25,012	\$9.42 - \$15.43
53-3032	Truck Drivers/Heavy/Tractor-Trailer	1,710	2,070	360	21.1%	40	30	70	Moderate-term on-the-job training	\$35,572	\$12.84 - \$20.82
53-3033	Truck Drivers/Light or Delivery Svcs	590	690	100	16.9%	10	10	20	Short-term on-the-job training	\$24,226	\$9.28 - \$13.31
53-3041	Taxi Drivers and Chauffeurs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-3099	Motor Vehicle Oprs/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-4011	Locomotive Engineers	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
53-4012 ⁽⁸⁾	Locomotive Firers	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Work exp. in a related occupation	*	* - *

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53-4021	Railroad Brake/Signal/Switch Oprs	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
53-4031	Railroad Conductors/Yardmasters	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
53-4099 ⁽⁸⁾	Rail Trans Wrkrs/All Other	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-5011	Sailors and Marine Oilers	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-5021	Cptns/Mates/Pilots of Watr Vessels	30	30	0	0.0%	<5	<5	<5	Work exp. in a related occupation	\$55,641	\$20.14 - \$33.74
53-5031 ⁽⁸⁾	Ship Engineers	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Postsecondary vocational training	*	* - *
53-6011 ⁽⁸⁾	Bridge and Lock Tenders	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Short-term on-the-job training	*	* - *
53-6021	Parking Lot Attendants	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-6031	Service Station Attendants	40	50	10	25.0%	<5	<5	<5	Short-term on-the-job training	\$21,098	\$8.59 - \$12.13
53-6041 ⁽⁸⁾	Traffic Techs	(8)	(8)	(8)	(8)	(8)	(8)	(8)	Short-term on-the-job training	*	* - *
53-6051	Transportation Inspectors	*	*	*	*	<5	<5	<5	Work exp. in a related occupation	*	* - *
53-6099 ⁽⁸⁾	Trans Wrkrs/All Other	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-7011	Conveyor Oprs and Tenders	40	50	10	25.0%	<5	<5	<5	Short-term on-the-job training	\$29,392	\$9.08 - \$16.55
53-7021	Crane and Tower Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-7031	Dredge Oprs	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-7032	Excvtng/Loadng Mchn/Dragline Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-7033	Loadng Mchn Oprs/Undrgrnd Mining	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-7041	Hoist and Winch Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-7051	Industrial Truck/Tractor Oprs	580	610	30	5.2%	<5	10	10	Short-term on-the-job training	\$27,588	\$11.20 - \$15.14
53-7061	Cleaners of Vehicles/Equipment	170	180	10	5.9%	<5	10	10	Short-term on-the-job training	\$20,401	\$8.89 - \$10.98
53-7062	Labrs/Frght/Stock/Matrl Movers/Hand	1,130	1,090	-40	-3.5%	<5	40	40	Short-term on-the-job training	\$24,230	\$8.13 - \$14.31
53-7063	Machn Feeders/Offbearers	*	*	*	*	<5	10	10	Short-term on-the-job training	*	* - *
53-7064	Packers/Packagers/Hand	570	610	40	7.0%	<5	10	10	Short-term on-the-job training	\$21,704	\$8.52 - \$12.02
53-7071	Gas Compressor/Gas Station Oprs	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-7072	Pump Oprs/Ex Wellhead Pumpers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-7081	Refuse/Recyclable Mtrl Collectors	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	* - *
53-7121	Tank Car, Truck, and Ship Loaders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	* - *
53-7199	Material Moving Wrkrs/All Other	20	20	0	0.0%	<5	<5	<5	Short-term on-the-job training	\$25,238	\$9.49 - \$14.57

Occupation Projections for Northwest Wisconsin Workforce Development Area 2002-2012

Notes:

- (1) Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding. Employment does not include self-employed or unpaid family workers.
- (2) Replacements are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier. Openings resulting from people changing employers, but staying in the same occupation are not included.
- (3) Total openings are the sum of new jobs and replacements.
- (4) Typical Education and Training Path gives a general indication of the education or training typically needed in the occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.
Short-Term On-the-Job Training: These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.
Moderate-Term On-the-Job Training: Training for these occupations usually occurs at the workplace and lasts from one to twelve months.
Long-Term On-the-Job Training: These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.
Work Experience in Related Occupation: Occupations in this category require skills and experience gained in other jobs.
Postsecondary Vocational Training: These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.
Associate Degree: This degree requires two years of full-time academic work beyond high school.
Bachelor's Degree: This degree requires four or five years of full-time academic work at a college or university.
Master's Degree: This degree requires one to two years of full-time study beyond a bachelor's degree.
Doctoral Degree: This degree usually requires at least three years of full-time study beyond a bachelor's degree.
First Professional Degree: These degrees typically require at least two years of full-time study beyond a bachelor's degree.
Bachelor's or higher degree, plus work experience: This requires a bachelor's or higher degree, in addition to work experience in a related non-managerial position.
- (5) Average Annual Salary: An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.
- (6) Hourly Wage Rate - Middle Range: The middle range identifies the 25th and 75th percentiles in the hourly wage distribution for a given occupation.
Fifty percent of the workers in the occupation earn wages in this range. In most cases, the entry level wage is at or below the 25th percentile.
- (7) This code is specific to the Occupational Employment Statistics (OES) Survey and is not an official SOC code.
- (8) 33-2020 includes employment for 33-2021 and 33-2022. Education/training and wages are shown individually, if available.
47-5040 includes employment for 47-5041 and 47-5042. Education/training and wages are shown individually, if available.
47-5099 includes employment for 47-5071. Education/training and wages are shown individually, if available.
51-8010 includes employment for 51-8011, 51-8012, and 51-8013. Education/training and wages are shown individually, if available.
53-4099 includes employment for 53-4012. Education/training and wages are shown individually, if available.
53-6099 includes employment for 53-5031, 53-6011, and 53-6041. Education/training and wages are shown individually, if available.
- (9) Depending upon the specific position and employer either a bachelor's degree or an associate degree are most common.

* Data is suppressed to preserve the confidentiality of employers. Some occupations with all suppressed data deleted

Information is derived using the May 2003 OES Survey, 2002 QCEW and 2002 CES (3/03 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used.

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2002 to 2012. It is important to note that unanticipated events may affect the accuracy of these projections.

Source: Office of Economic Advisors, Wisconsin Department of Workforce Development, September 2004

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